



11-04-02

gp 3763

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

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Application Number **09/833,109**

Filing Date **4/11/01**

First Named Inventor **Wuchinich**

Group Art Unit **3763**

Examiner Name **Sirmons**

Total Number of Pages in This Submission

Attorney Docket Number

ENCLOSURES (check all that apply)

- Fee Transmittal Form
- Fee Attached
- Amendment / Reply
 - After Final
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- Express Abandonment Request
- Information Disclosure Statement
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- Response to Missing Parts under 37 CFR 1.52 or 1.53

- Assignment Papers (for an Application)
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- Petition to Convert to a Provisional Application
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response to office
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David G. Wuchinich

Signature

David G. Wuchinich

Date

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United States Patent and Trademark Office

#17E
Answers
11/6/02

Application of: Wuchinich)
United States Serial Number: 09/833,109) Art Unit 3763
Filing date: April 11, 2001) Examiner: Kevin C. Sirmons
Entitled: Longitudinal-Torsional Ultrasonic Tissue Dissection

Assistant Commissioner of Patents,
Washington, DC 20231

Amendment in response to Office Action of September 5, 2002

In the claims:

Please amend as follows:

Delete claims 12 through 26.

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Add claims as follows:

27. A longitudinal-torsional resonator comprising

a connection point for receiving longitudinal vibration;

a tip for contacting biological tissue;

and at least one portion located between said contact point and
said tip having an spiral inhomogeneous cross section.

28. A longitudinal-torsional resonator comprising

a connection point for receiving torsional vibration;